

<p>Dietrich, Isolde. EXPERIMENTS ON THE SUPERCONDUCTIVITY OF CONTACTS. [1961] 7p. 4 refs. Order from SLA \$1.10</p> <p>Trans. of Zeitschrift für Physik (West Germany) 1952 v. 133, p. 499-503.</p> <p>DESCRIPTORS: Tantalum, *Superconductors*, Elec- trodes, Electric connectors, Electrons. *Superconductivity.</p> <p>Contacts between electrodes of superconducting Ta, covered with insulating layers of known thicknesses of MgO_2 or CuO_2, became superconductive. The relation- ship of the transition curves to the thickness of the layer and to load current is investigated. (Author)</p> <p>(Physics, TT, v. 8, no. 2)</p>	<p>62-10516</p> <p>I. Dietrich, I.</p> <p>62-10516</p> <p>Office of Technical Services</p>	
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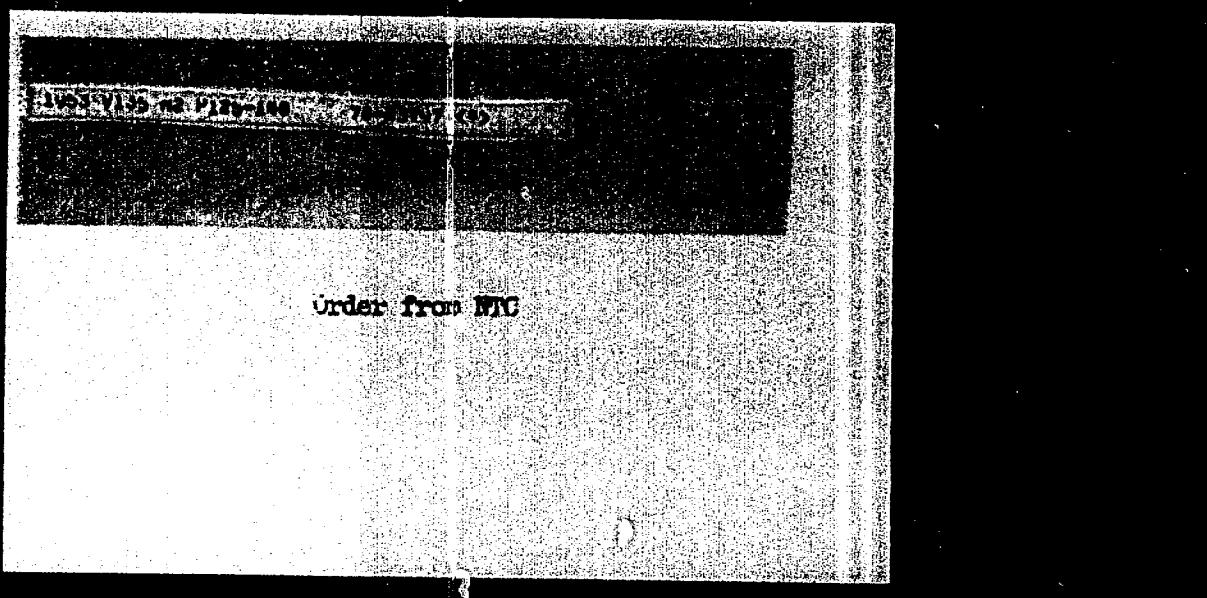
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APPROVED FOR RELEASE: Tuesday, July 01, 2003

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Method for the Determination of Nuclear Moments With
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Ruprecht, Georg.

INVESTIGATION OF THE ELECTRICAL AND
PHOTOELECTRICAL CONDUCTIVITY OF THIN
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omitted).

Order from SLA \$1.60

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Trans. of Zeitschrift für Physik (West Germany)
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DESCRIPTORS: *Thin films, *Indium compounds,
Oxides, Electrical conductance, Photoconductivity.

Measurements of electrical conductivity were carried
out on thin vapor-deposited films of indium oxide. Its
dependence on temperature and the influence of a
surrounding oxygen atmosphere of variable pressure
were investigated. The observed relationships at
temperatures below 500°C indicate that oxygen acts
on the surfaces. Above 500°C there seems to be an
(Physics--Solid State, Tr., v. 8, no. 10) (over)

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R-9102-D

19 Jan 68

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By: Walter Kissen

From: Zeitschrift fur Physik, Bd. 139 S. 638-648

(1954) (11 pp)

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